

IN THE CLAIMS

1. (Currently amended) A method for accessing an application service in a network, the application service comprising a plurality of logic components, the method comprising executing the following steps using a computer:

obtaining from a user of a second device a user request to access a given application service, wherein the user previously accessed the given application service using a first device;

in response to the user request to access the given application service, recalling from a user history a last operation state of the given application service attained when using the first device, the step of recalling further comprising the step of obtaining an ID associated with the last operation state, the ID corresponding to an identifier of one or more of the plurality of logic components of the given application service;

connecting the user to the given application service and executing, in accordance with the ID, the one or more of the plurality of logic components of the given application service, wherein the user continues to access the given application service from the last operation state of the given application service;

monitoring a state of each of the plurality of logic components of the given application service to determine a latest operation state of the given application service; and

updating the last operation state in the user history based on the latest operation state of the given application service;

wherein the logic components of the application service are executed recursively until the user issues an interrupt request or the application service finishes executing.

2. (Previously presented) The method according to claim 1 further comprising:

returning an execution result of the given application service to the user using a contact method determined to be proper, the proper contact method being associated with a device pre-registered by the user that is used by the user during a pre-defined time period.

3. (Previously presented) The method according to claim 2, wherein the contact method is that which is used by the user when requesting access to the given application service.

4. (Previously presented) The method according to claim 2, wherein the contact method is selected from a plurality of contact methods pre-registered by the user.

5. (Currently amended) Apparatus for providing access to an application service in a network, the application service comprising a plurality of logic components, the apparatus comprising:

at least one computer based device operative to:

obtain from a user of a second device a user request to access a given application service, wherein the user previously accessed the given application service using a first device;

recall from a user history a last operation state of the given application service attained when using the first device, in response to the user request to access the given application service, such that in the operation of recalling, the at least one computer based device is further operative to obtain an ID associated with the last operation state, the ID corresponding to an identifier of one or more of the plurality of logic components of the given application service;

connect the user to the given application service and execute, in accordance with the ID, the one or more of the plurality of logic components of the given application service, wherein the user continues to access the given application service from the last operation state of the given application service;

monitor a state of each of the plurality of logic components of the given application service to determine a latest operation state of the given application service; and

update the last operation state in the user history based on the latest operation state of the given application service;

wherein the logic components of the application service are executed recursively until the user issues an interrupt request or the application service finishes executing.

6. (Previously presented) The apparatus according to claim 5, wherein the at least one computer based device is further operative to

present an execution result of the given application service to the user using a contact method determined to be proper, the proper contact method being associated with a device pre-registered by the user that is used by the user during a pre-defined time period.

7. (Previously presented) The apparatus according to claim 6, wherein the contact method is that which is used by the user when requesting access to the given application service.

8. (Previously presented) The apparatus according to claim 6, wherein the contact method is selected from a plurality of contact methods pre-registered by the user.

9. (Currently amended) A system for keeping persistency in a computer network comprising:
a user history module for recording the historical call information of at least one user for at least one application service based on the user ID, the at least one application service comprising a plurality of logic components;

logon control module for: identifying or verifying the user requesting access to a given application service, the user using a second device, wherein the user previously accessed the given application service using a first device; retrieving from the user history module the historical call information of the user for the given application service attained when using the first device; and extracting an ID of a last operation of the user for the given application service from the historical call information, the ID corresponding to an identifier of one or more of the plurality of logic components of the given application service;

a session management module for: connecting the user using a second device to the given application service and executing the one or more of the plurality of logic components of the given application service based on the ID from the historical call information, wherein the user continues to access the given application service from the last operation of the given application service; monitoring a state of each of the plurality of logic components of the given application service to determine a latest operation state of the given application service; and updating the historical call information recorded in the user history module based on the latest operation state of the given application service; and

a connection management module, for setting up the connection to the session management module based on the extracted ID;

wherein the logic components of the application service are executed recursively until the user issues an interrupt request or the application service finishes executing.

10. (Previously presented) The system according to claim 9, further comprising:

a user registrar module for registering information on at least one device used by a user for connection, the information comprising a device contact time period, the connection management module being operable to select one device from the user register module for the user to receive an execution result of the given application service.

11. (Previously presented) The system according to claim 10, further comprising:

means for presenting the execution result to the selected device.

12. (Previously presented) The system according to claim 11, wherein a terminal is used by the user when requesting access to the given application service.

13. (Previously presented) The system according to claim 11, wherein the device is selected from a plurality of terminals pre-registered by the user.

14. (Canceled)

15. (New) The method of claim 1, wherein the ID corresponds to a serial number of one or more of the plurality of logic components of the given application service.

16. (New) The apparatus of claim 5, wherein the ID corresponds to a serial number of one or more of the plurality of logic components of the given application service.

17. (New) The system of claim 9, wherein the ID corresponds to a serial number of one or more of the plurality of logic components of the given application service.